AN 1977:189458 CAPLUS

DN 86:189458

TI Aromatic amino ether quaternary ammonium salts

IN Ogawa, Shuncaro; Morita, Kan; Yoshida, Akiyoshi

PA Rohto Pharmaceutical Co., Ltd., Japan SO Japan. 9 np

SO Japan., 9 pp. CODEN: JAKKAD

DT Patent

LA Japanese FAN.CNT 1

FATENT NO. KIND DATE APPLICATION NO. DATE
FI JP 51044934 B4 19761201 JP 1569-99283 19691209

AS NCSHIZOPENCHICH2N+RIRZR3 X- (I) R=H, halo, Me; Rl, R2 = H, alkyl, RlR2 = alkylene contg, optional O atom; R3 = alkyl; X=halo; Z=O, S) were prepd. by quaternization of RCHHZCHRCHZNRIZ (II) with R3N. I were useful as antispasmodics, anticholinergics, antiinflammatants, and analgesics. Thus, excess Mel was added to II $\{R=H,RRZ=(CH2)S,Z=O\}$, obtained from 2.4 g of its HCl salt after treatment with aq. NaOH and ELO extn.; in MeOH at room tempt to give 2.6 g I $\{R=H,RRZ=(CH2)S,Z=O\}$, which had anticholinergic activity with EDS of 1.6. time: 10-8 g/ML in guinea pigs. Similarly prepd. were 17 addnl. I and their biol. activity given.

2T 42063-78-5P
RL: SPN (Synthetic preparation); PREP (Preparation)

'(prepn. of) RN 42063-78-5 CAPLUS

CN Piperidinium, 1-methyl-1-[3-[5-methyl-2-(1-methylethyl)phenoxy]-3-phenylpropyl}-, iodide (9CI) (CA INDEX NAME)

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     Aromatic amino ether quaternary apmonish sales
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      Ogawa, Shuntaro; Morita, Beni roshida, Akiyoshi
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     Pobto Pharmadeutical Co., Ltd., Jacka
      Japan, 9 pp.
CODEN: JAXXAD
      Patent
      Jacanese
      CO7C093-12
      25-4 [Noncoodensed Arodatic Compounds:
      Section cross-reference(s): 27
 FAN. CMT 1
      PATENT NO.
                      KIND DATE
                                          APPLICATION NO. DATE
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      JP 51044934 B4 19761201 JP 1969-99283 19691209
 AB PC6842CHPhC82CH2N+B1B2R3 X- (1) N = 8, halo, Me; R1, B2 = 8, alkyl, B182
      aikviene contg. optional C atom: Ri - aikvir R - halo: Z = G. S) were
      prepd, by quaternization of RC6H4ZC8PbCR2CH2Nk1R2 (II) with RNK. I ware
      useful as antispesmodics, enticholinecgics, antiinflammatents, and
      avalgesics. Thus, excess MeI was added to TI TA * R. PIRZ * (Ch2)5. C -
      0), optsized from 2.4 g of its SCl sait after treatment with so. NaCel and
      St20 extn., in MeOR at room temp, to give 2.6 g I (R = H, RIR2 = /CRI:5.
      WD - Me, Y - iodo. Z - 0], which had anticholinergic activity with E050 of
      1.6 + 10-8 g/mb in guines pigs. Similarly prepd. were 17 admil. I
      and their biol. activity given.
      quaternary arom ether aggispasmodic; anticholiperaic quaternary
 577
      aryloxypropylammonium nalide; antiinflammatant quaternary
      arylozypropylammonium halide; analgesic quaternaxy aryloxypropylammonium
      baline; aryloxypropylammonlum halide antispasmodic antichclinerque;
      arylexypropylpiperidinium balide antispasmodic anticholinerque
      Angloesics
      Inflammation Inhibitors
      Muscle relexants and Spasmolytics
      Parasympatholytics
         (sryToxypropylammonium halides)
PT 42064-71-1F 42064-72-2F 42064-73-3F 42064-74-4F 42064-76-6F
      47664-19-99 42664-85-79 42796-63-49 42736-67-89 42986-33-09 51874-51-29 51543-52-49 62663-36-99
      Wit SPN (Sychatic preparation); PREP (Freparation)
         (preph. and acticholicergic activity of)
      42063-78-58 42796-62-38 42796-71-4F 43213-28-18
      51543-52-3P 62663-50-78
      KL: SPN (Synthetic preparation): PREP (Preparation)
         (prepn. of)
      42064-87-9P 42064-89-1P
      RL: SPN (Synthetic preparation); PPEP (Preparation)
         (prepr., antispasmodic and analyssic activity of)
 7.33
      42796-29-2 62663-37-0 62663-38-1 62663-39-2
                                                          62663-40-5
      62663-41-6 62663-42-7 62663-43-8 62663-44-9
      62663-45-0 62663-46-1 62663-47-2 62663-48-3 62663-49-4
      PL: RCT (Reactant)
         (quaternization of)
      42796-63-4P 62663-36-9P
      RL: SPN (Synthetic preparation); PREP (Preparation)
         (prepn. and asticholinergic activity of)
      42796-63-4 CAPLUS
 RN
 CN
      Benzenepropanaminium, N.N-diethvi-N-methvl-v-phenoxv-, iodide (SCI)
      (CA INDEX MAME)
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Me
PEG CH CH2 CH2 R Et
 PN
    62663-36-9 CAPLUS
      Benzedepropanaminium, M. N-disthyl-N-methyl-y-[(4-methylphenylitolo:-
      , rodide (901) (CA INDEX NAMS)
    1840
 Rt N CB2 CB2 CB-S
                              Me
      42796-62-3P 51543-52-3P
      HL: SEN (Symthetic preparation); PREP (Preparation)
         (prepo. of)
 88
      48736-62-3 CAPIUS
 ON
      Benzenepropanaminium, N.N.N-trimethyl-y-phenoxy-, iodide (%CI) (CA
      INDEX NAME:
  25
 PAC OF CR2 CH2 NTMes
          @ I "
      51543-52-3 CAPLUS
 RN
 CN
      Benzenepropanaminium, N.N-diethyl-N-methyl-y-(phenylthio)-, iodide
      (9CI) (CA INDEX NAME)
     Pb
                 Me
 PhS CH CH2 CH2 N Ec
                 33
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RE: RCT (Reactabl) (quaternization of)

RN 62663-42-7 CAPLOS

UN Bestenepropasagine, N.N-diethyl-y-phenoxy- (9CI) (CA INDEX NAME)

28

Sho CR CR2 CH2 REty

BB 62663-43-8 CAPLOS

CN Benzenepropanamine, N.N-diethyl-y-[(4-methylpnenyl]thio]- (9CI) (CA INDEX NAME)

27

EtgB CR2 CH2 CB S

Me